

## Abstract

The invention relates to a method and a device for improving the processing time of received data in packet oriented applications during a transmission via communication networks, in particular via an IP network and a mobile communication network such as the Global System for Mobile Communication (GSM), Universal Mobile Telecommunication System (UMTS) or General Packet Radio Service (GPRS). The received data packets of the second protocol layer, for instance, the RLP frames, are combined to form data packets of the first protocol layer, for instance to PPP frames, directly by the receiver in the second protocol layer. The completely and correctly combined data packets are then released to the first protocol layer. During the release of the data packets to the first protocol layer, a difference is made between two modes. The intra-flow mode is a mode, wherein all completely generated data packets are released, i.e. independent from whether the data packets belong to the same or to two different data flows. In contrast thereto, a difference is made in view of the inter-flow mode. In said mode only the completely generated data packets belonging to different data flows are released to the first protocol layer.

Fig. 1.